



PATENT

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May 3, 2004
Date

Stephenie E. Meengs for
Ayesha J. Shaikh

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. :	10/612,822	Confirmation No. :	3901
Applicant :	Mark A. Moehring		
Filed :	July 1, 2003	Attorney Docket No.:	500580.08
Art Unit :	3737	Customer No. :	27,076
Examiner :	Not Yet Assigned		
Title :	DOPPLER ULTRASOUND METHOD AND APPARATUS FOR MONITORING BLOOD FLOW		

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

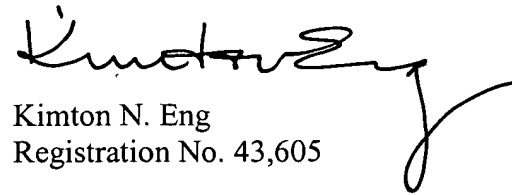
In accordance with 37 C.F.R. §§ 1.56 and 1.97 through 1.98, applicant wishes to make known to the Patent and Trademark Office the references set forth on the attached form PTO-1449. This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior Application No. 09/595,323, filed June 16, 2000, issued September 9, 2003 as Patent No. 6,616,611, which is a continuation of Application No. 09/190,402, filed November 11, 1998, issued March 6, 2001 as Patent No. 6,196,972. The references listed on the attached Form PTO-1449 were submitted to and/or cited by the Patent and Trademark Office in these prior applications and, therefore, are not required to be provided in this application. If the Examiner wishes, copies will be provided upon request. Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicant's duty to disclose all information he is aware of

which is believed relevant to the examination of the above-identified application, applicant believes that his invention is patentable.

Please acknowledge receipt of this Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

Respectfully submitted,

DORSEY & WHITNEY LLP

A handwritten signature in black ink, appearing to read 'Kimton N. Eng', with a long, sweeping horizontal stroke extending to the right.

Kimton N. Eng
Registration No. 43,605

KNE:ajs

Enclosures:

Postcard

Form PTO-1449

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FORM PTO-1449 (REV. 7-80) MAY 07 2004 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT (Attach multiple sheets if necessary)	ATTY. DOCKET NO. 500580.08	APPLICATION NO. 10/612,822
	APPLICANT(S) Mark A. Moehring	
	FILING DATE July 1, 2003	GROUP ART UNIT 3737

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,014,206	03/29/77	Taylor	73	19	
	AB	4,152,928	05/08/79	Roberts	73	61 R	
	AC	4,319,580	03/16/82	Colley et al.	128	661	
	AD	4,501,277	02/26/85	Hongo	128	660	
	AE	4,848,354	07/18/89	Angelsen et al.	128	660.05	
	AF	4,896,674	01/30/90	Seo	128	661.09	
	AG	5,053,008	10/01/91	Bajaj	604	104	
	AH	5,083,567	01/28/92	Uchibori	128	661.09	
	AI	5,103,826	04/14/92	Bonnefous	128	661.08	
	AJ	5,103,827	04/14/92	Smith	128	661.08	
	AK	5,129,399	07/14/92	Hirama	128	661.01	
	AL	5,148,808	09/22/92	Satake	128	660.05	
	AM	5,231,573	07/27/93	Takamizawa	364	413.25	
	AN	5,271,404	12/21/93	Corl et al.	128	661.08	
	AO	5,348,015	09/20/94	Moehring et al.	128	661.07	
	AP	5,441,051	08/15/95	Hileman et al.	128	661.08	
	AQ	5,476,097	12/19/95	Robinson	128	660.05	
	AR	5,501,223	03/26/96	Washburn et al.	128	661.09	
	AS	5,513,640	05/07/96	Yamazaki et al.	128	661.09	
	AT	Re. 35,371	11/05/96	Seo	128	661.09	
	AU	5,615,680	04/01/97	Sano	128	661.09	
	AV	5,622,173	04/22/97	Bisson et al.	128	661.01	
	AW	5,732,705	03/31/98	Yokoyama et al.	128	660.07	
	AX	5,785,654	07/28/98	Iinuma et al.	600	441	

EXAMINER	DATE CONSIDERED
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* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 500580.08	APPLICATION NO. 10/612,822
INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>		APPLICANT(S) Mark A. Moehring	
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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AY	5,785,655	07/28/98	Goodsell, Jr. et al.	600	441	
AZ	5,860,927	01/19/99	Sakaguchi et al.	600	453	
BA	5,882,315	03/16/99	Ji et al.	600	553	
BB	5,910,118	06/08/99	Kanda et al.	600	455	
BC	5,913,824	06/22/99	Ogasawara et al.	600	455	
BD	5,919,139	07/06/99	Lin	600	443	
BE	5,997,478	12/07/99	Jackson et al.	600	437	
BF	6,045,505	04/04/00	Holley et al.	600	441	
BG	6,196,972 B1	03/06/01	Moehring	600	454	
BH						
BI						
BJ						
BK						
BL						

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO
BM	WO 94/06353	03/31/94	PCT		X	
BN	0 079 453 A1	05/25/83	EP		X	
BO						
BP						
BQ						
BR						
BS						

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OTHER PRIOR ART *(Including Author, Title, Date, Pertinent Pages, Etc.)*

BT	<i>Aloka-860 Operational Manual. Volume I System Description, Effective S/N: 51M8876 and above. pp. i--15-2 and A-2--A-5.</i>
BU	<i>Aloka Color Doppler Model SSD-860 Cardiovascular Scanner Sales Brochure. Aloka Co., Ltd., Japan.</i>
BV	<i>Duncan, Walter J. Color Doppler in Clinical Cardiology. Philadelphia, W.B. Saunders Company, Harcourt Brace Jovanovich, Inc., 1988. pp. 1-13.</i>
BW	<i>Griffith, James M. et al., "An Ultrasound System for Combined Cardiac Imaging and Doppler Blood Flow Measurement in Man", Biomedical Engineering and Instrumentation Branch, Division of Research Services and the Cardiology Branch, National Heart, Lung, and Blood Institute, Maryland, Vol. 57, No. 5, May 1978, pp. 925-930.</i>
BX	<i>Iwase, Masatsugu et al. Clinical Echocardiography. Dordrecht, Kluwer Academic Publishers, 1989. pp. 11-27 and 250-281.</i>
BY	<i>Kremkau, G.W. Doppler Ultrasound, Principles and Instruments. (Philadelphia, W.B. Saunders Company, 1990), pp. 177-211.</i>
BZ	<i>Missri, José Clinical Doppler Echocardiography Spectral and Color Flow Imaging. New York, McGraw-Hill, Inc., 1990. pp. 9-27 and 279-303.</i>
CA	<i>Omoto, R. et al., "The Development of Real-Time Two-Dimensional Doppler Echocardiography and Its Clinical Significance in Acquired Valvular Diseases With Special Reference to the Evaluation of Valvular Regurgitation", Reprinted from Japanese Heart Journal, Vol. 25, No. 3, Pages 325-340, May, 1984.</i>
CB	<i>Omoto, R. et al., "Clinical Significance and Prospects of "Real-Time Two-Dimensional Doppler Echocardiography", Color ATLAS of Real-Time Two-Dimensional Doppler Echocardiography, Chapter 1-6, pages 1-44, Shindan-To-Chiryō Co., Ltd. Tokyo 1984.</i>
CC	<i>"Operation Manual for Diagnostic Ultrasound Equipment Model SSH-160A (2B730-405E*B)", Toshiba Corporation, 1987, pp. 7-4 -- 7-5, 8-1, 11-1 -- 11-3, 11-12, 12-1, 12-3 and 16-10.</i>
CD	<i>Redel, Dierk A. Color Blood Flow Imaging of the Heart. Germany, Springer-Verlag Berlin Heidelberg, 1988. pp. 5-12 and 27-41.</i>
CE	<i>Weyman, Arthur E. Principles and Practice of Echocardiography, 2d ed. Philadelphia, Lea & Febiger, 1994. pp. 218-233 and 256-281.</i>
CF	

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